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0460

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/771,503

DATE: 02/21/2001
TIME: 16:59:35

Input Set : A:\Pto.vsk
Output Set: N:\CRF3\02212001\I771503.raw

2 <110> APPLICANT: Yue, Henry
3 Lasek, Amy W.
4 Baughn, Mariah R.
6 <120> TITLE OF INVENTION: INTELECTIN
8 <130> FILE REFERENCE: PC-0027 US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/771,503
C--> 11 <141> CURRENT FILING DATE: 2001-01-26
13 <160> NUMBER OF SEQ ID NOS: 9
14 <170> SOFTWARE: PERL Program
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 325
18 <212> TYPE: PRT
19 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: misc_feature
23 <223> OTHER INFORMATION: Incyte ID No: 2921920CD1
25 <400> SEQUENCE: 1
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27 1 5 10 15
28 Phe Phe Ser Val Ala Thr Ser Gly Cys Ser Ala Ala Ala Ala Ser
29 20 25 30
30 Ser Leu Glu Met Leu Ser Arg Glu Phe Glu Thr Cys Ala Phe Ser
31 35 40 45
32 Phe Ser Ser Leu Pro Arg Ser Cys Lys Glu Ile Lys Glu Arg Cys
33 50 55 60
34 His Ser Ala Gly Asp Gly Leu Tyr Phe Leu Arg Thr Lys Asn Gly
35 65 70 75
36 Val Val Tyr Gln Thr Phe Cys Asp Met Thr Ser Gly Gly Gly Gly
37 80 85 90
38 Trp Thr Leu Val Ala Ser Val His Glu Asn Asp Met His Gly Lys
39 95 100 105
40 Cys Thr Val Gly Asp Arg Trp Ser Ser Gln Gly Asn Lys Ala
41 110 115 120
42 Asp Tyr Pro Glu Gly Asp Gly Asn Trp Ala Asn Tyr Asn Thr Phe
43 125 130 135
44 Gly Ser Ala Glu Ala Ala Thr Ser Asp Asp Tyr Lys Asn Pro Gly
45 140 145 150
46 Tyr Tyr Asp Ile Gln Ala Lys Asp Leu Gly Ile Trp His Val Pro
47 155 160 165
48 Asn Lys Ser Pro Met Gln His Trp Arg Asn Ser Ala Leu Leu Arg
49 170 175 180
50 Tyr Arg Thr Asn Thr Gly Phe Leu Gln Arg Leu Gly His Asn Leu
51 185 190 195
52 Phe Gly Ile Tyr Gln Lys Tyr Pro Val Lys Tyr Arg Ser Gly Lys
53 200 205 210
54 Cys Trp Asn Asp Asn Gly Pro Ala Ile Pro Val Val Tyr Asp Phe
55 215 220 225

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FEB 28 2001
OIPE/JCJMS

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/771,503

DATE: 02/21/2001

TIME: 16:59:35

Input Set : A:\Pto.vsk

Output Set: N:\CRF3\02212001\I771503.raw

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56  Gly Asp Ala Lys Lys Thr Ala Ser Tyr Tyr Ser Pro Tyr Gly Gln
57                      230                235                240
58  Arg Glu Phe Val Ala Gly Phe Val Gln Phe Arg Val Phe Asn Asn
59                      245                250                255
60  Glu Arg Ala Ala Asn Ala Leu Cys Ala Gly Ile Lys Val Thr Gly
61                      260                265                270
62  Cys Asn Thr Glu His His Cys Ile Gly Gly Gly Gly Phe Phe Pro
63                      275                280                285
64  Gln Gly Lys Pro Arg Gln Cys Gly Asp Phe Ser Ala Phe Asp Trp
65                      290                295                300
66  Asp Gly Tyr Gly Thr His Val Lys Ser Ser Cys Ser Arg Glu Ile
67                      305                310                315
68  Thr Glu Ala Ala Val Leu Leu Phe Tyr Arg
69                      320                325

71 <210> SEQ ID NO: 2
72 <211> LENGTH: 1142
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
76 <220> FEATURE:
77 <221> NAME/KEY: misc_feature
78 <223> OTHER INFORMATION: Incyte ID No: 2921920CB1
80 <400> SEQUENCE: 2
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82  ccattgctgag gacaatgacc agactctgct tcctgttatt cttctctgtg gccaccagtg 120
83  ggtgcagtgc agcagcagcc tcttctcttg agatgctctc gagggaaatc gaaacctgtg 180
84  ccttctcctt ttcttccctg cctagaagct gcaaagaaat caaggaaacg tgccatagtg 240
85  caggtgatgg cctgtatttt ctccgcacca agaatggtgt tgtctaccag accttctgtg 300
86  acatgacttc tgggggtggc ggctggaccc tgggtggcag cgtgcacgag aatgaatgac 360
87  atgggaagtg cacgggtggg gatcgctggt ccagtcagca gggcaacaaa gcagactacc 420
88  cagaggggga tggcaactgg gccaactaca acaccttggt atctgcagag gcggccacga 480
89  gcgatgacta caagaacctt ggctactacg acatccaggg caaggacctg ggcattctgg 540
90  atgtgcccaa caagtccccc atgcagcatt ggagaaacag cgccttctgt aggtaccgca 600
91  ccaactctgg ctctctccag agactgggac ataactctgt tggcatctac cagaaatacc 660
92  cagtgaataa cagatcaggg aaatgttgga atgacaatgg cccagccata cctgtggtct 720
93  atgacttttg tgatgctaaag aagactgcat cttattactc accgatggtt caacgggaat 780
94  ttgttgacag attcgttcag ttccgggtgt ttaataacga gagagcagcc aacgcccttt 840
95  gtgctgggat aaaagtact ggctgtaaca ctgagcatca ctgcatcggt ggaggagggt 900
96  tcttccacaa gggcaaaccc cgtcagtgtg gggacttctc cgcctttgac tgggatggat 960
97  atggaactca cgttaagagc agctgcagtc gggagataac ggaggcggct gtactcttgt 1020
98  tctatagatg agacagagct ctgcggtgtc agggcgagaa cccatcttcc aaccccggt 1080
99  atttgagagc ggaaaaactg gaattctaac aaggaggaga ggagactaaa tcacatcaat 1140
100 tc 1142

102 <210> SEQ ID NO: 3
103 <211> LENGTH: 276
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <223> OTHER INFORMATION: Incyte ID No: 2921920H1

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/771,503

DATE: 02/21/2001
 TIME: 16:59:35

Input Set : A:\Pto.vsk
 Output Set: N:\CRF3\02212001\I771503.raw

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111 <400> SEQUENCE: 3
112   ggagctccga gtgtccacag gaaggggaact atcagctcct ggcattctgta aggatgctgt 60
113   ccatgctgag gacaatgacc agactctgct tcctgttatt cttctctgtg gccaccagt 120
114   ggtgcagtgc agcagcagcc tcttctcttg agatgctctc gaggggaattc gaaacctgtg 180
115   ccttctcctt ttcttccctg cctagaagct gcaaagaaat caaggaacgc tgccatagt 240
116   caggtgatgg cctgtatttt ctccgcacca agaattg 276
118 <210> SEQ ID NO: 4
119 <211> LENGTH: 497
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <223> OTHER INFORMATION: Incyte ID No: 2921920F6
127 <220> FEATURE:
128 <221> NAME/KEY: unsure
129 <222> LOCATION: 266, 370, 398, 419, 428-430, 471-472
130 <223> OTHER INFORMATION: a, t, c, g, or other
132 <400> SEQUENCE: 4
133   ggagctccga gtgtccacag gaaggggaact atcagctcct ggcattctgta aggatgctgt 60
134   ccatgctgag gacaatgacc agactctgct tcctgttatt cttctctgtg gccaccagt 120
135   ggtgcagtgc agcagcagcc tcttctcttg agatgctctc gaggggaattc gaaacctgtg 180
136   ccttctcctt ttcttccctg cctagaagct gcaaagaaat caaggaacgc tgccatagt 240
W--> 137   caggtgatgg cctgtatttt ctccgnacca agaattggtg tgtctaccag accttctgtg 300
138   acatgacttc tgggggtggc ggctggacc tgggtggccag cgtgcacgag aatgacatgc 360
W--> 139   atgggaagtn caggggtggg gatcgtggtt ccagtcanca gggcaacaaa gcagactanc 420
W--> 140   cagaggggnn atggcaactg ggccaactac aacacctttg gatctgcaga nngcggccac 480
141   gaacgatgac tacaaga 497
143 <210> SEQ ID NO: 5
144 <211> LENGTH: 606
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <223> OTHER INFORMATION: Incyte ID No: 2921920T6
152 <220> FEATURE:
153 <221> NAME/KEY: unsure
154 <222> LOCATION: 232, 567, 573
155 <223> OTHER INFORMATION: a, t, c, g, or other
157 <400> SEQUENCE: 5
158   gttagaattc cagtttttcc gtctccaaat agccgggggtt ggaagatggg ttctcgccct 60
159   gacaccgcag agctctgtct catctataga acaagagtac agccgcctcc gttatctccc 120
160   gactgcagct gctcttaacg tgagttccat atccatccca gtcaaaggcg gagaagtccc 180
W--> 161   cacactgacg ggggtttgcc tgtgggaaga accctctcc accgatgcag tnatgctcag 240
162   tgttacagcc agtaactttt atcccagcac aaaggcggtt ggctgctctc tcgttattaa 300
163   acaccgcgaa ctgaacgaat cctgcaacaa attcccgttg accatacggg gagtaataag 360
164   atgcagtctt cttagcatca ccaaagtcac agaccacagg tatggctggg ccattgtcat 420
165   tccaacatct cctgatctg tatttcactg ggtatttctg gtagatgcc aacagattat 480
166   gtcccagctc ctggaggaag ccagtggttg tgcggtacct cagcagggcg ctgtttctcc 540
W--> 167   aatgctgcat gggggaactg ttgggnnaca ttncagatgc ccaggtcctt ggctgggatg 600

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/771,503

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Input Set : A:\Pto.vsk
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168   tcgtag
170 <210> SEQ ID NO: 6
171 <211> LENGTH: 360
172 <212> TYPE: DNA
173 <213> ORGANISM: Rattus norvegicus
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <223> OTHER INFORMATION: Incyte ID No: 700589815H1
179 <400> SEQUENCE: 6
180   aggttcctgt cattagccgg ccagcaactc tcagctcctg ccagacgacc atgacccaac 60
181   tcggctttct gctgtttctc atcgttgcca ccagaggggg cagtgcggct aaagaggacc 120
182   tggaacacaa caaagggacc cattctttct ttgactctct gtccagaagc tgcaaggaaa 180
183   tcaaggagga gaacacaggg gctcaagatg gcctctatct cctgcgcacg gagaatgggt 240
184   tcatctacca gaccttctgt gacatgacca ctgcagggtg tggtcggacc ctggtggcta 300
185   gcgtgcatga gaacaacatg ggtgggaagt gcacagtggg cgatcgctg tccagtcagc 360
187 <210> SEQ ID NO: 7
188 <211> LENGTH: 748
189 <212> TYPE: DNA
190 <213> ORGANISM: Rattus norvegicus
W--> 191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <223> OTHER INFORMATION: Incyte ID No: 207717_Rn.2
195 <400> SEQUENCE: 7
196   cgatcgctgg tccagtcagc aaggcaacag agcagattac ccagaggggg atygcaattg 60
197   ggccaactac aacacctttg ggtctgcaga ggtgcccaca agtgatgac tacaagagcc 120
198   ctggctactt cgaacatcca ggctgagaac ctgggcatct ggcacgtgcc ottactacag 180
199   cccctgcac aactggagga acagctcctt gctgcggtac cgcaccttca ctggcttcct 240
200   gcagcatctg ggccataatc tgtttggcct ctaccagaag tatccccggtg aaatatggag 300
201   taggaaagtg ttggactgac aatggcccgg cgttacctgt ggtctatgac tatggtggat 360
202   gctcagaaga ctgcctctta ttattcccca tacggccaga ggaattcac tgcaggattt 420
203   gttcagtcca gagtgtataa taatgagaga gcggccagtg ccttgtgtgc tggcgtgagg 480
204   gtcactggat gcaattctga agctcactgc atcgggtggg gaggattctt tccagaaggt 540
205   aaccccaggc agtgtggaga cttcggggcg tttgattgga acggatacgg aactcacact 600
206   gggtagacga gtagccgggc gataactgaa gcagccgtgc ttctgttcta tcgctgagaa 660
207   ctctgtgggg tggaccaga cttctccaat ctgcaggctc ccaaggcatg gagaaaaaat 720
208   gacctagtaa ctaagatggt aatgagca
210 <210> SEQ ID NO: 8
211 <211> LENGTH: 313
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <220> FEATURE:
216 <221> NAME/KEY: misc_feature
217 <223> OTHER INFORMATION: Genbank ID No: g8096221
219 <400> SEQUENCE: 8
220   Met Asn Gln Leu Ser Phe Leu Leu Phe Leu Ile Ala Thr Thr Arg
221       1             5             10             15
222   Gly Trp Ser Thr Asp Glu Ala Asn Thr Tyr Phe Lys Glu Trp Thr
223               20             25             30
224   Cys Ser Ser Ser Pro Ser Leu Pro Arg Ser Cys Lys Glu Ile Lys

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RAW SEQUENCE LISTING
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DATE: 02/21/2001
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Input Set : A:\Pto.vsk
 Output Set: N:\CRF3\02212001\I771503.raw

225		35		40		45
226	Asp Glu Cys Pro Ser Ala Phe Asp Gly Leu Tyr Phe Leu Arg Thr					
227		50		55		60
228	Glu Asn Gly Val Ile Tyr Gln Thr Phe Cys Asp Met Thr Ser Gly					
229		65		70		75
230	Gly Gly Gly Trp Thr Leu Val Ala Ser Val His Glu Asn Asp Met					
231		80		85		90
232	Arg Gly Lys Cys Thr Val Gly Asp Arg Trp Ser Ser Gln Gln Gly					
233		95		100		105
234	Ser Lys Ala Asp Tyr Pro Glu Gly Asp Gly Asn Trp Ala Asn Tyr					
235		110		115		120
236	Asn Thr Phe Gly Ser Ala Glu Ala Ala Thr Ser Asp Asp Tyr Lys					
237		125		130		135
238	Asn Pro Gly Tyr Tyr Asp Ile Gln Ala Lys Asp Leu Gly Ile Trp					
239		140		145		150
240	His Val Pro Asn Lys Ser Pro Met Gln His Trp Arg Asn Ser Ser					
241		155		160		165
242	Leu Leu Arg Tyr Arg Thr Asp Thr Gly Phe Leu Gln Thr Leu Gly					
243		170		175		180
244	His Asn Leu Phe Gly Ile Tyr Gln Lys Tyr Pro Val Lys Tyr Gly					
245		185		190		195
246	Glu Gly Lys Cys Trp Thr Asp Asn Gly Pro Val Ile Pro Val Val					
247		200		205		210
248	Tyr Asp Phe Gly Asp Ala Gln Lys Thr Ala Ser Tyr Tyr Ser Pro					
249		215		220		225
250	Tyr Gly Gln Arg Glu Phe Thr Ala Gly Phe Val Gln Phe Arg Val					
251		230		235		240
252	Phe Asn Asn Glu Arg Ala Ala Asn Ala Leu Cys Ala Gly Met Arg					
253		245		250		255
254	Val Thr Gly Cys Asn Thr Glu His His Cys Ile Gly Gly Gly Gly					
255		260		265		270
256	Tyr Phe Pro Glu Ala Ser Pro Gln Gln Cys Gly Asp Phe Ser Gly					
257		275		280		285
258	Phe Asp Trp Ser Gly Tyr Gly Thr His Val Gly Tyr Ser Ser Ser					
259		290		295		300
260	Arg Glu Ile Thr Glu Ala Ala Val Leu Leu Phe Tyr Arg					
261		305		310		

263 <210> SEQ ID NO: 9

264 <211> LENGTH: 313

265 <212> TYPE: PRT

266 <213> ORGANISM: Mus musculus

W--> 267 <220> FEATURE:

268 <221> NAME/KEY: misc_feature

269 <223> OTHER INFORMATION: Genbank ID No: g3357909

271 <400> SEQUENCE: 9

272 Met Thr Gln Leu Gly Phe Leu Leu Phe Ile Met Val Ala Thr Arg

273 1 5 10 15

274 Gly Cys Ser Ala Ala Glu Glu Asn Leu Asp Thr Asn Arg Trp Gly

275 20 25 30

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/771,503

DATE: 02/21/2001
TIME: 16:59:36

Input Set : A:\Pto.vsk
Output Set: N:\CRF3\02212001\I771503.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:267 M:283 W: Missing Blank Line separator, <220> field identifier



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/771,503

DATE: 02/08/2001

TIME: 12:22:29

Input Set : A:\pc0027us_seqlist.txt

Output Set: N:\CRF3\02082001\I771503.raw

Does Not Comply
Corrected Diskette Needed

2 <110> APPLICANT: Yue, Henry
3 Lasek, Amy W.
4 Baughn, Mariah R.
6 <120> TITLE OF INVENTION: INTELECTIN
8 <130> FILE REFERENCE: PC-0027 US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/771,503
C--> 11 <141> CURRENT FILING DATE: 2001-01-26
13 <160> NUMBER OF SEQ ID NOS: 9
14 <170> SOFTWARE: PERL Program

ERRORED SEQUENCES

16 <210> SEQ ID NO: 1
17 <211> LENGTH: 325
18 <212> TYPE: PRT
19 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: misc_feature
23 <223> OTHER INFORMATION: Incyte ID No: 2921920CD1
25 <400> SEQUENCE: 1
E--> 26 Met Leu Ser Met Leu Arg Thr Met Thr Arg Leu Cys Phe Leu Leu
27 1 5 10 10 15 15
28 Phe Phe Ser Val Ala Thr Ser Gly Cys Ser Ala Ala Ala Ala Ser
29 20 25 30
30 Ser Leu Glu Met Leu Ser Arg Glu Phe Glu Thr Cys Ala Phe Ser
31 35 40 45
32 Phe Ser Ser Leu Pro Arg Ser Cys Lys Glu Ile Lys Glu Arg Cys
33 50 55 60
34 His Ser Ala Gly Asp Gly Leu Tyr Phe Leu Arg Thr Lys Asn Gly
35 65 70 75
36 Val Val Tyr Gln Thr Phe Cys Asp Met Thr Ser Gly Gly Gly Gly
37 80 85 90
38 Trp Thr Leu Val Ala Ser Val His Glu Asn Asp Met His Gly Lys
39 95 100 105
40 Cys Thr Val Gly Asp Arg Trp Ser Ser Gln Gln Gly Asn Lys Ala
41 110 115 120
42 Asp Tyr Pro Glu Gly Asp Gly Asn Trp Ala Asn Tyr Asn Thr Phe
43 125 130 135
44 Gly Ser Ala Glu Ala Ala Thr Ser Asp Asp Tyr Lys Asn Pro Gly
45 140 145 150
46 Tyr Tyr Asp Ile Gln Ala Lys Asp Leu Gly Ile Trp His Val Pro
47 155 160 165
48 Asn Lys Ser Pro Met Gln His Trp Arg Asn Ser Ala Leu Leu Arg
49 170 175 180
50 Tyr Arg Thr Asn Thr Gly Phe Leu Gln Arg Leu Gly His Asn Leu
51 185 190 195

misaligned nos.

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/771,503

DATE: 02/08/2001
 TIME: 12:22:29

Input Set : A:\pc0027us_seqlist.txt
 Output Set: N:\CRF3\02082001\I771503.raw

52	Phe Gly Ile Tyr Gln Lys Tyr Pro Val Lys Tyr Arg Ser Gly Lys	
53		200 205 210
54	Cys Trp Asn Asp Asn Gly Pro Ala Ile Pro Val Val Tyr Asp Phe	
55		215 220 225
56	Gly Asp Ala Lys Lys Thr Ala Ser Tyr Tyr Ser Pro Tyr Gly Gln	
57		230 235 240
58	Arg Glu Phe Val Ala Gly Phe Val Gln Phe Arg Val Phe Asn Asn	
59		245 250 255
60	Glu Arg Ala Ala Asn Ala Leu Cys Ala Gly Ile Lys Val Thr Gly	
61		260 265 270
62	Cys Asn Thr Glu His His Cys Ile Gly Gly Gly Gly Phe Phe Pro	
63		275 280 285
64	Gln Gly Lys Pro Arg Gln Cys Gly Asp Phe Ser Ala Phe Asp Trp	
65		290 295 300
66	Asp Gly Tyr Gly Thr His Val Lys Ser Ser Cys Ser Arg Glu Ile	
67		305 310 315
68	Thr Glu Ala Ala Val Leu Leu Phe Tyr Arg	
69		320 325

VERIFICATION SUMMARY

DATE: 02/08/2001

PATENT APPLICATION: US/09/771,503

TIME: 12:22:30

Input Set : A:\pc0027us_seqlist.txt

Output Set: N:\CRF3\02082001\I771503.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:267 M:283 W: Missing Blank Line separator, <220> field identifier